Inventor Search



=> d ibib abs hitstr l6 1-1

L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:76264 HCAPLUS
DOCUMENT NUMBER: 142:162638
TITLE: Enema formulations containing thiazoles for treating inflammatory bowel disease
INVENTOR(S): Maeda, Takashi; Nagamoto, Hisashi; Chihiro, Masatoshi
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | | DATE |
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| WO 2005007160 | A1 | 20050127 | WO 2004-JP10546 | | 20040716 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | | |
| AU 2004257527 | A1 | 20050127 | AU 2004-257527 | | 20040716 |
| CA 2531343 | AA | 20050127 | CA 2004-2531343 | | 20040716 |
| EP 1646384 | A1 | 20060419 | EP 2004-786033 | | 20040716 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | | |
| JP 2005047915 | A2 | 20050224 | JP 2004-212030 | | 20040720 |
| PRIORITY APPLN. INFO.: | | | JP 2003-275955 | A | 20030717 |
| | | | WO 2004-JP10546 | W | 20040716 |

OTHER SOURCE(S): MARPAT 142:162638

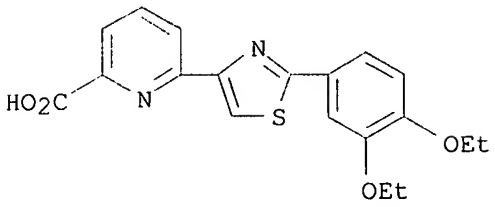
AB The object of this invention is to provide an enema formulation for treating inflammatory bowel diseases. The enema formulation comprises thiazole derivs. Thus, a formulation contained (6-[2-(3,4-diethoxyphenyl)thiazol-4-yl]pyridine-2-carboxylic acid) 1.0, tri(hydroxymethyl)aminomethane 1.2, NaOH1.2, and sodium CM-cellulose 15 mg/mL. HCl qs and water qs.

IT 288-47-1D, Thiazole, derivs. 145739-56-6
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(enema formulations for treating inflammatory bowel disease)

RN 288-47-1 HCAPLUS
CN Thiazole (6CI, 8CI, 9CI) (CA INDEX NAME)

RN 145739-56-6 HCAPLUS

CN 2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)




REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7               ANALYZE L6 1-1 CT :       3 TERMS

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     FILE 'USPATFULL' ENTERED AT 17:14:41 ON 18 JUN 2006
L31            7 SEA ABB=ON  L29 AND (PRD<20030717 OR PD<20030717)
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1 cit from CA Plus

7 cits from USPatFull

FILE HOME

FILE HCAPLUS



FILE COVERS 1907 - 18 Jun 2006 VOL 144 ISS 26
FILE LAST UPDATED: 16 Jun 2006 (20060616/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 JUN 2006 HIGHEST RN 888069-20-3
DICTIONARY FILE UPDATES: 16 JUN 2006 HIGHEST RN 888069-20-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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************************************************************
*                                                          *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                          *
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Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 15 Jun 2006 (20060615/PD)
FILE LAST UPDATED: 15 Jun 2006 (20060615/ED)
HIGHEST GRANTED PATENT NUMBER: US7062785
HIGHEST APPLICATION PUBLICATION NUMBER: US2006130207

CA INDEXING IS CURRENT THROUGH 15 Jun 2006 (20060615/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 15 Jun 2006 (20060615/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2006

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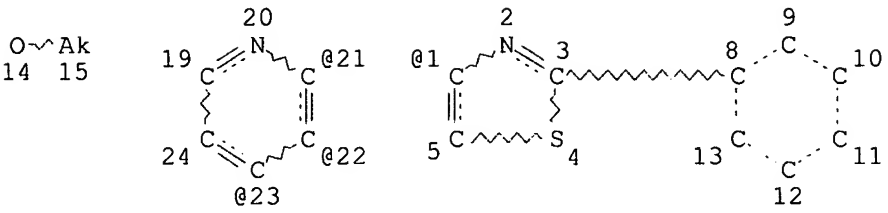

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GGCAT   IS LOC  AT  15
DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  19

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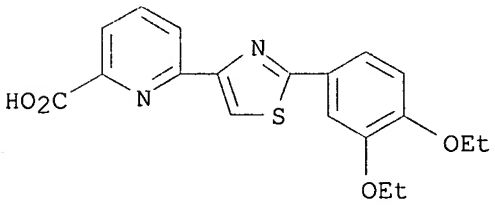
L30  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2001:93226  HCAPLUS
DOCUMENT NUMBER:          134:290370
TITLE:                    OPC-compounds prevent oxidant-induced carbonylation
                          and depolymerization of the F-actin cytoskeleton and
                          intestinal barrier hyperpermeability
AUTHOR(S):                Banan, A.; Fitzpatrick, L.; Zhang, Y.; Keshavarzian,
                          A.
CORPORATE SOURCE:         Departments of Internal Medicine (Division of
                          Digestive Diseases), Pharmacology, and Molecular
                          Biophysics and Physiology, Rush University Medical
                          Center, Chicago, IL, USA
SOURCE:                   Free Radical Biology & Medicine (2001),
                          30(3), 287-298
                          CODEN: FRBMEH; ISSN: 0891-5849
PUBLISHER:                Elsevier Science Inc.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   Rebamipide (OPC-12759), a quinolone derivative, and OPC-6535, a
     thiazol-carboxylic acid derivative, are compds. with ability to protect
     gastrointestinal (GI) mucosal integrity against reactive oxygen
     metabolites (ROM). The underlying mechanism of OPC-mediated protection
     remains poorly understood. It is now established that ROM can injure the
     mucosa by disruption of the cytoskeletal network, a key component of
     mucosal barrier integrity. We, therefore, investigated whether OPC
     compds. prevent the oxidation, disassembly, and instability of the
     cytoskeletal protein actin and, in turn, protect intestinal barrier
     function against ROM. Human intestinal (Caco-2) cell monolayers were
     pretreated with OPC (-12759 or -6535) prior to incubation with ROM (H2O2
```

or HOCl). Effects on cell integrity (ethidium homodimer-1), epithelial barrier function (fluorescein sulfonic acid clearance), and actin cytoskeletal integrity (high-resolution laser confocal) were then determined Cells were also processed for quant. immunoblotting of G- and F-actin to measure oxidation (carbonylation) and disassembly of actin. In monolayers exposed to ROM, preincubation with OPC compds. prevented actin oxidation, decreased depolymd. G-actin, and enhanced the stable F-actin. Concomitantly, OPC agents abolished both actin cytoskeletal disruption and monolayer barrier dysfunction. Data suggest for the first time that OPC drugs prevent oxidation of actin and lead to the protection of actin cytoskeleton and intestinal barrier integrity against oxidant insult. Accordingly, these compds. may be used as novel therapeutic agents for the treatment of a variety of oxidative inflammatory intestinal disorders with an abnormal mucosal barrier such as inflammatory bowel disease.

IT 145739-56-6, OPC-6535
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(mechanism of gastrointestinal protection by rebamipide and OPC-6535)

RN 145739-56-6 HCAPLUS

CN 2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)

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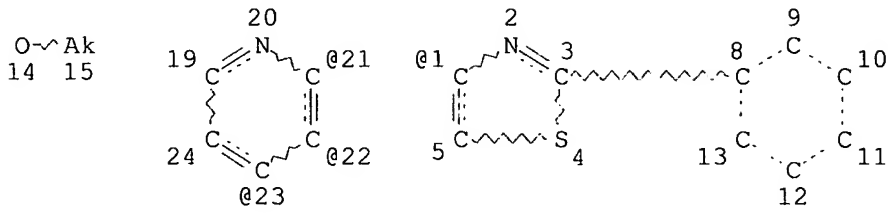


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GGCAT IS LOC AT 15
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE
L25 218 SEA FILE=REGISTRY SSS FUL L23
L26 42 SEA FILE=HCAPLUS ABB=ON L25
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)

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L31 ANSWER 1 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2004:294735 USPATFULL
TITLE: Compounds and methods of uses
INVENTOR(S): Norman, Mark H., Thousand Oaks, CA, United States
Wang, Hui-Ling, Thousand Oaks, CA, United States
Rzasa, Robert, Ventura, CA, United States
Zhong, Wenge, Thousand Oaks, CA, United States
Nguyen, Thomas, Thousand Oaks, CA, United States
Kaller, Matthew, Ventura, CA, United States
Liu, Hu, Brooklyn, NY, United States
PATENT ASSIGNEE(S): Amgen, Inc., Thousand Oaks, CA, United States (U.S. corporation)

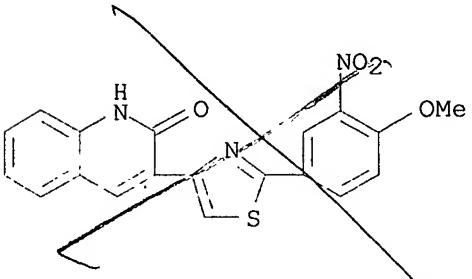
| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 6822097 | B1 | 20041123 | |
| APPLICATION INFO.: | US 2003-360226 | | 20030206 | (10) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2002-355313P | 20020207 (60) | <-- |

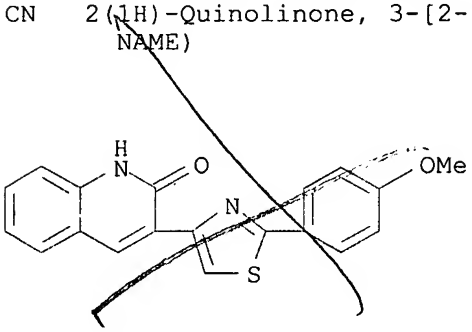
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Seaman, D. Margaret
NUMBER OF CLAIMS: 44
EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 15475
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Selected compounds are effective for treatment of diseases, such as cell proliferation or apoptosis mediated diseases. The invention encompasses novel compounds, analogs, prodrugs and pharmaceutically acceptable derivatives thereof, pharmaceutical compositions and methods for prophylaxis and treatment of diseases and other maladies or conditions involving stroke, cancer and the like. The subject invention also relates to processes for making such compounds as well as to intermediates useful in such processes.

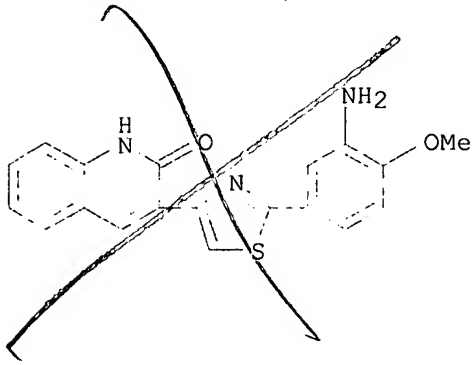
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 578018-20-9P
(preparation of thiazolyl substituted quinolinones for treating cell proliferative disorders, neurol. disorders and apoptosis)
RN 578018-20-9 USPATFULL
CN 2(1H)-Quinolinone, 3-[2-(4-methoxy-3-nitrophenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



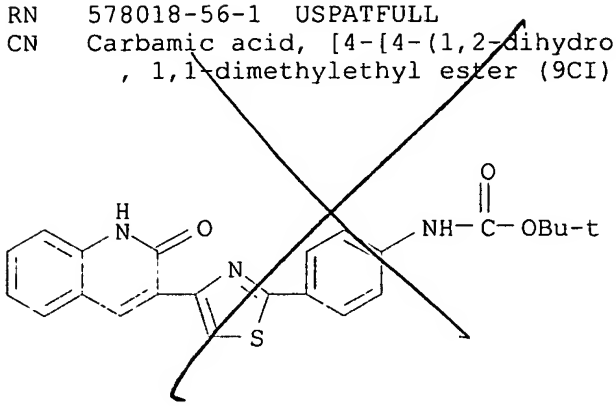

IT 578018-19-6P 578018-24-3P 578018-56-1P
(preparation of thiazolyl substituted quinolinones for treating cell proliferative disorders, neurol. disorders and apoptosis)
RN 578018-19-6 USPATFULL
CN 2(1H)-Quinolinone, 3-[2-(4-methoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)




RN 578018-24-3 USPATFULL
CN 2(1H)-Quinolinone, 3-[2-(3-amino-4-methoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



RN 578018-56-1 USPATFULL
CN Carbamic acid, [4-[4-(1,2-dihydro-2-oxo-3-quinolinyl)-2-thiazolyl]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)




L31 ANSWER 2 OF 7 USPATFULL on STN

| | |
|---|---|
| ACCESSION NUMBER: | 2004:190788 USPATFULL |
| TITLE: | Pyrid-2-one derivatives and methods of use |
| INVENTOR(S): | Zhong, Wenge, Thousand Oaks, CA, UNITED STATES<br>Norman, Mark Henry, Thousand Oaks, CA, UNITED STATES<br>Kaller, Matthew, Ventura, CA, UNITED STATES<br>Nguyen, Thomas, Thousand Oaks, CA, UNITED STATES<br>Rzasa, Robert Michael, Ventura, CA, UNITED STATES<br>Tegley, Christopher, Thousand Oaks, CA, UNITED STATES<br>Wang, Hui-Ling, Thousand Oaks, CA, UNITED STATES |

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2004147561 | A1 | 20040729 | |
| APPLICATION INFO.: | US 2003-736289 | A1 | 20031212 | (10) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2002-436787P | 20021227 (60) | <-- |

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| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | APPLICATION |
| LEGAL REPRESENTATIVE: | AMGEN INC., U.S. Patent Operations/JWB, Dept. 4300, M/S 27-4-A, One Amgen Center Drive, Thousand Oaks, CA, 91320-1799 |
| NUMBER OF CLAIMS: | 39 |
| EXEMPLARY CLAIM: | 1 |
| LINE COUNT: | 7376 |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

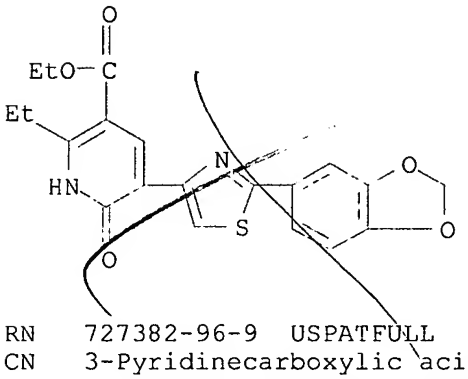
AB Selected compounds are effective for treatment of diseases, such as cell proliferation or apoptosis mediated diseases. The invention encompasses novel compounds, analogs, prodrugs and pharmaceutically acceptable derivatives thereof, pharmaceutical compositions and methods for prophylaxis and treatment of diseases and other maladies or conditions involving stroke, cancer and the like. The subject invention also relates to processes for making such compounds as well as to intermediates useful in such processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 727382-50-5P, Ethyl 2-ethyl-6-oxo-5-[2-(benzodioxol-5-yl)-1,3-thiazol-4-yl]-1,6-dihydro-3-pyridinecarboxylate 727382-96-9P, Ethyl 5-[2-(2H-benzo[d]-1,3-dioxolan-5-yl)-1,3-thiazol-4-yl]-2-methyl-6-oxo-1,6-dihydro-3-pyridinecarboxylate 727382-97-0P, Ethyl 2-methyl-6-oxo-5-(2-phenyl-1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate 727382-98-1P, Ethyl 2-methyl-6-oxo-5-[2-(4-fluorophenyl)-1,3-thiazol-4-yl]-1,6-dihydro-3-pyridinecarboxylate

727382-99-2P, Ethyl 5-[2-(2,6-dichlorophenyl)-1,3-thiazol-4-yl]-2-methyl-6-oxo-1,6-dihydro-3-pyridinecarboxylate 727383-06-4P, Ethyl 2-methyl-6-oxo-5-[2-(4-methoxyphenyl)-1,3-thiazol-4-yl]-1,6-dihydro-3-pyridinecarboxylate
(Cdk2/Cdk5 inhibitor; preparation of quinazolines as Cdk2 and Cdk5 kinase inhibitors for treatment of cell proliferation-related disorders)

RN 727382-50-5 USPATFULL
CN 3-Pyridinecarboxylic acid, 5-[2-(1,3-benzodioxol-5-yl)-4-thiazolyl]-2-ethyl-1,6-dihydro-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 727382-96-9 USPATFULL
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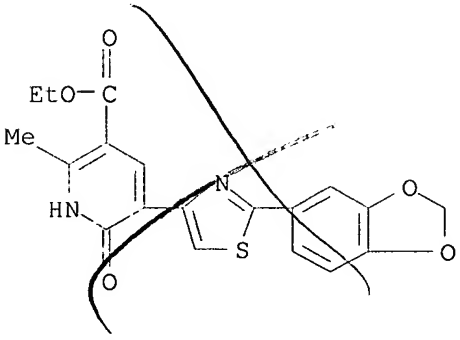

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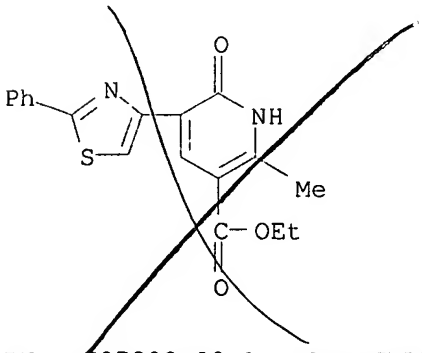

RN 727382-98-1 USPATFULL
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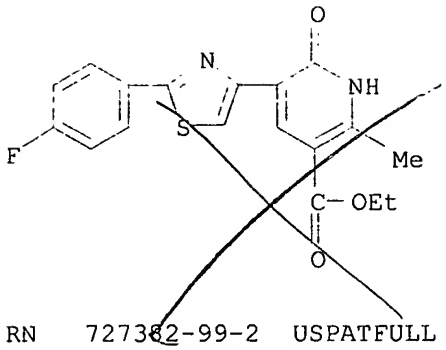

RN 727382-99-2 USPATFULL
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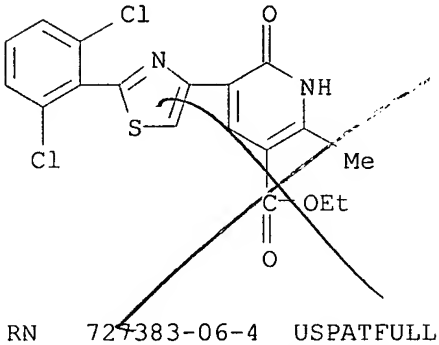

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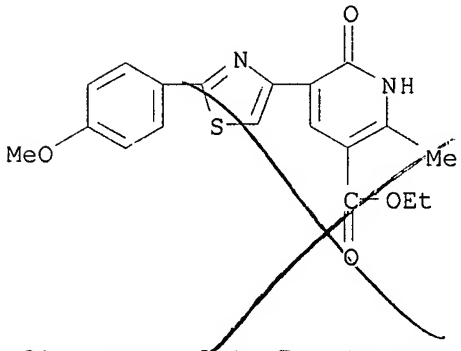


L31 ANSWER 3 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2004:19488 USPATFULL
TITLE: Agent for inhibition of cytokine production and agent for inhibition of cell adhesion
INVENTOR(S): Chihiro, Masatoshi, Naruto-shi, JAPAN
Matsuzaki, TakayukI, Tokushima-shi, JAPAN
Nagamoto, Hisashi, Suita-shi, JAPAN
Miyakoda, Goro, Itano-gun, JAPAN
Sueyoshi, Shinobu, Belmont, CA, UNITED STATES
Mori, Toyoki, Naruto-shi, JAPAN
Kitano, Kazuyoshi, Naruto-shi, JAPAN

Takemura, Isao, Tokyo, JAPAN
Yamashita, Hiroshi, Itano-gun, JAPAN
Tabusa, Fujio, Itano-gun, JAPAN
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co. Ltd. (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2004014792 | A1 | 20040122 |
| APPLICATION INFO.: | US 2003-424904 | A1 | 20030429 (10) |

RELATED APPLN. INFO.: Division of Ser. No. US 2001-887143, filed on 25 Jun 2001, GRANTED, Pat. No. US 6583163 Division of Ser. No. US 1999-269481, filed on 29 Mar 1999, GRANTED, Pat. No. US 6291487 A 371 of International Ser. No. WO 1997-JP3466, filed on 29 Sep 1997, UNKNOWN

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | JP 1996-258533 | 19960930 | <-- |

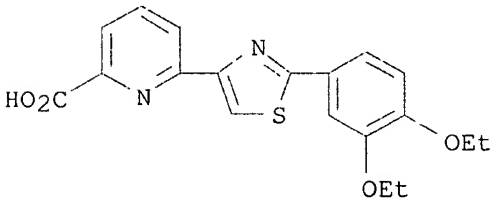
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 1269
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides an agent for inhibiting cytokine production or cell adhesion, comprising at least one compound selected from the group consisting of thiazole derivatives represented by the following general formula: ##STR1##

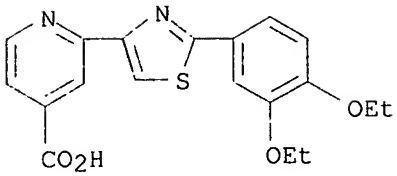
[wherein R.sup.1 is a phenyl group which may have a lower alkoxy group(s) as a substituent(s) on the phenyl ring, and R.sup.2 is a group represented by the following general formula: ##STR2##

(wherein R.sup.3's, which may be the same or different, are each a carboxyl group, a lower alkoxy group or the like) or the like] and salts thereof.

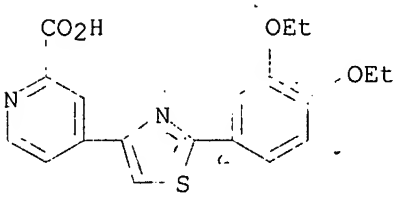
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 145739-56-6P 145740-22-3P 205995-53-5P
(thiazoles for inhibition of cytokine production and cell adhesion)
RN 145739-56-6 USPATFULL
CN 2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)




RN 145740-22-3 USPATFULL
CN 4-Pyridinecarboxylic acid, 2-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



RN 205995-53-5 USPATFULL
CN 2-Pyridinecarboxylic acid, 4-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



L31 ANSWER 4 OF 7 USPATFULL on STN

| | |
|---|---|
| ACCESSION NUMBER: | 2002:22633 USPATFULL |
| TITLE: | Agent for inhibition of cytokine production and agent for inhibition of cell adhesion |
| INVENTOR(S): | Chihiro, Masatoshi, Tokushima, JAPAN<br>Matsuzaki, Takayuki, Tokushima, JAPAN<br>Nagamoto, Hisashi, Osaka, JAPAN<br>Miyakoda, Goro, Tokushima, JAPAN<br>Sueyoshi, Shinobu, Belmont, CA, UNITED STATES<br>Mori, Toyoki, Tokushima, JAPAN<br>Kitano, Kazuyoshi, Tokushima, JAPAN<br>Takemura, Isao, Tokyo, JAPAN<br>Yamashita, Hiroshi, Tokushima, JAPAN<br>Kurimura, Muneaki, Tokushima, JAPAN<br>Tabusa, Fujio, Tokushima, JAPAN |
| PATENT ASSIGNEE(S): | Otsuka Pharmaceutical Co., Ltd. (non-U.S. corporation) |

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2002013469 | A1 | 20020131 | <-- |
| | US 6583163 | B2 | 20030624 | |
| APPLICATION INFO.: | US 2001-887143 | A1 | 20010625 (9) | |

| | |
|---|---|
| RELATED APPLN. INFO.: | Division of Ser. No. US 1999-269481, filed on 29 Mar 1999, GRANTED, Pat. No. US 6291487 A 371 of International Ser. No. WO 1997-JP3466, filed on 29 Sep 1997, UNKNOWN |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | JP 1996-258533 | 19960930 | <-- |

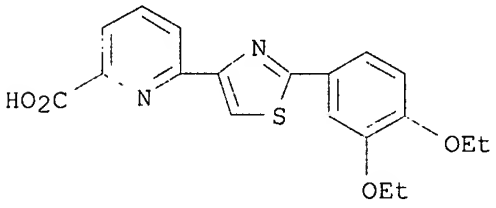
| | |
|---|---|
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | APPLICATION |
| LEGAL REPRESENTATIVE: | FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005 |
| NUMBER OF CLAIMS: | 18 |
| EXEMPLARY CLAIM: | 1 |

LINE COUNT: 1265
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides an agent for inhibiting cytokine production or cell adhesion, comprising at least one compound selected from the group consisting of thiazole derivatives represented by the following general formula: ##STR1##

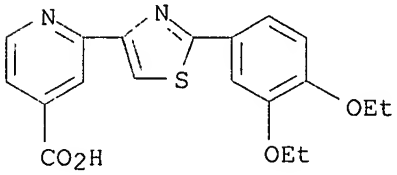
[wherein R.sup.1 is a phenyl group which may have a lower alkoxy group(s) as a substituent(s) on the phenyl ring, and R.sup.2 is a group represented by the following general formula: ##STR2##

(wherein R.sup.3's, which may be the same or different, are each a carboxyl group, a lower alkoxy group or the like) or the like] and salts thereof.

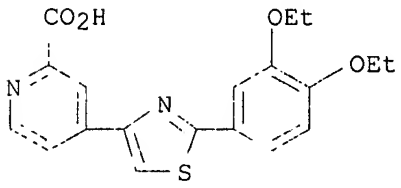
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 145739-56-6P 145740-22-3P 205995-53-5P
(thiazoles for inhibition of cytokine production and cell adhesion)
RN 145739-56-6 USPATFULL
CN 2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)




RN 145740-22-3 USPATFULL
CN 4-Pyridinecarboxylic acid, 2-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)




RN 205995-53-5 USPATFULL
CN 2-Pyridinecarboxylic acid, 4-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



L31 ANSWER 5 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2001:158310 USPATFULL
TITLE: Agent for inhibition of cytokine production and agent for inhibition of cell adhesion
INVENTOR(S): Chihiro, Masatoshi, Naruto, Japan
Matsuzaki, Takayuki, Tokushima, Japan
Nagamoto, Hisashi, Suita, Japan
Miyakoda, Goro, Itano-gun, Japan
Sueyoshi, Shinobu, Belmont, CA, United States
Mori, Toyoki, Naruto, Japan
Kitano, Kazuyoshi, Naruto, Japan
Takemura, Isao, Tokyo, Japan
Yamashita, Hiroshi, Itano-gun, Japan
Kurimura, Muneaki, Naruto, Japan
Tabusa, Fujio, Itano-gun, Japan
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

| | NUMBER | KIND | DATE | | |
|---|---|---|---|---|---|
| PATENT INFORMATION: | US 6291487 | B1 | 20010918 | | <-- |
| | WO 9814191 | | 19980409 | | <-- |
| APPLICATION INFO.: | US 1999-269481 | | 19990329 | (9) | |
| | WO 1997-JP3466 | | 19970929 | | |
| | | | 19990329 | PCT 371 date | |
| | | | 19990329 | PCT 102(e) date | |

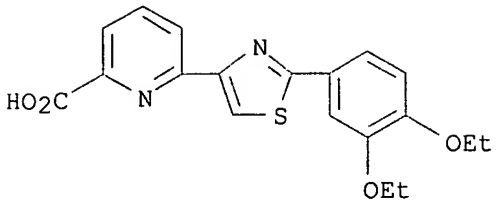
| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | JP 1996-258533 | 19960930 | <-- |

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Fan, Jane
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 1140
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides an agent for inhibiting cytokine production or cell adhesion, comprising at least one compound selected from the group consisting of thiazole derivatives represented by the following general formula: ##STR1##

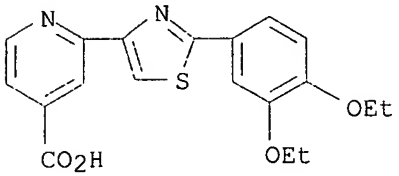
[wherein R.sup.1 is a phenyl group which may have a lower alkoxy group(s) as a substituent(s) on the phenyl ring, and R.sup.2 is a group represented by the following general formula: ##STR2##

[wherein R.sup.3 's, which may be the same or different, are each a carboxyl group, a lower alkoxy group or the like) or the like] and salts thereof.

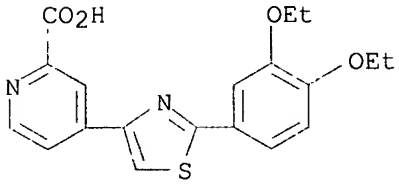
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 145739-56-6P 145740-22-3P 205995-53-5P
(thiazoles for inhibition of cytokine production and cell adhesion)
RN 145739-56-6 USPATFULL
CN 2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



RN 145740-22-3 USPATFULL
CN 4-Pyridinecarboxylic acid, 2-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



RN 205995-53-5 USPATFULL
CN 2-Pyridinecarboxylic acid, 4-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



L31 ANSWER 6 OF 7 USPATFULL on STN

| | |
|---|---|
| ACCESSION NUMBER: | 2000:1891 USPATFULL |
| TITLE: | Thiazole benzenesulfonamides as β3 agonists for treatment of diabetes and obesity |
| INVENTOR(S): | Mathvink, Robert J., Red Bank, NJ, United States<br>Parmee, Emma R., Highland Park, NJ, United States<br>Tolman, Samuel, Jersey City, NJ, United States<br>Weber, Ann E., Scotch Plains, NJ, United States |
| PATENT ASSIGNEE(S): | Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation) |

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 6011048 | | 20000104 | <-- |
| APPLICATION INFO.: | US 1998-7363 | | 19980115 (9) | |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 1997-36760P | 19970128 (60) | <-- |

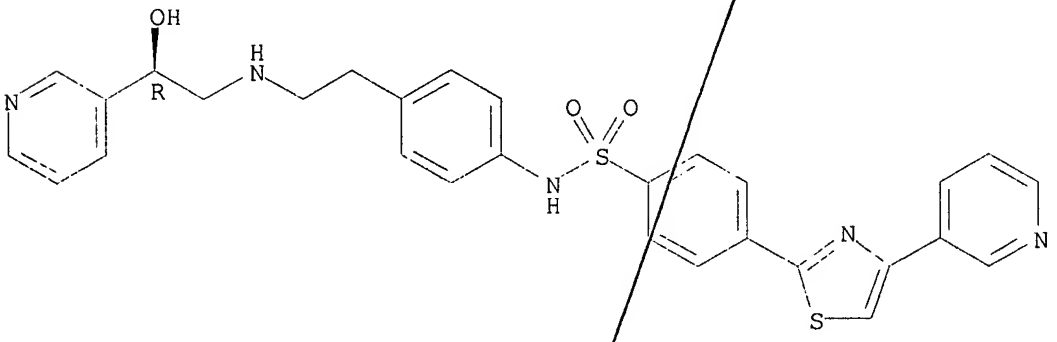
| | |
|---|---|
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | Granted |
| PRIMARY EXAMINER: | Fan, Jane |

LEGAL REPRESENTATIVE: Yang, Mollie M., Rose, David L.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 1510
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Thiazole substituted benzenesulfonamides are β.sub.3 adrenergic receptor agonists with very little β.sub.1 and β.sub.2 adrenergic receptor activity and as such the compounds are capable of increasing lipolysis and energy expenditure in cells. The compounds thus have potent activity in the treatment of Type II diabetes and obesity. The compounds can also be used to lower triglyceride levels and cholesterol levels or raise high density lipoprotein levels or to decrease gut motility. In addition, the compounds can be used to reduced neurogenic inflammation or as antidepressant agents. The compounds are prepared by coupling an aminoalkylphenyl-sulfonamide with an appropriately substituted epoxide. Compositions and methods for the use of the compounds in the treatment of diabetes and obesity and for lowering triglyceride levels and cholesterol levels or raising high density lipoprotein levels or for decreasing gut motility are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 211031-09-3P 211031-35-5P 211032-23-4P
211032-49-4P
(preparation of thiazole benzenesulfonamides as β3 agonists)
RN 211031-09-3 USPATFULL
CN Benzenesulfonamide, N-[4-[2-[[(2R)-2-hydroxy-2-(3-pyridinyl)ethyl]amino]ethyl]phenyl]-4-[4-(3-pyridinyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

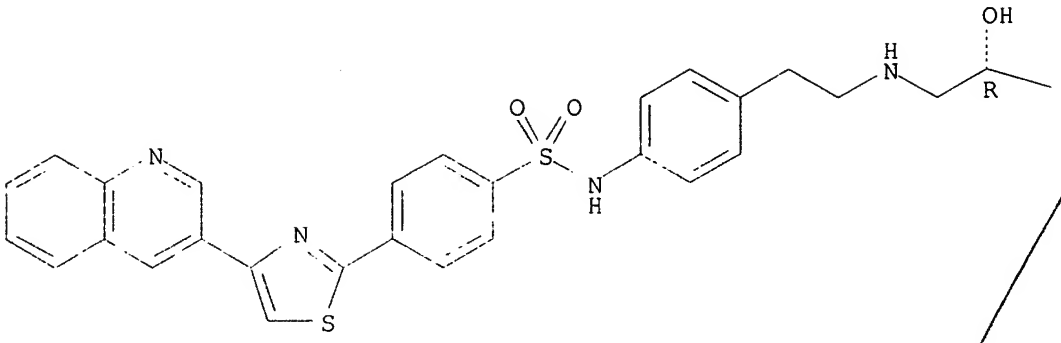
Absolute stereochemistry.



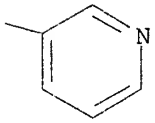
RN 211031-35-5 USPATFULL
CN Benzenesulfonamide, N-[4-[2-[[(2R)-2-hydroxy-2-(3-pyridinyl)ethyl]amino]ethyl]phenyl]-4-[4-(3-quinolinyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

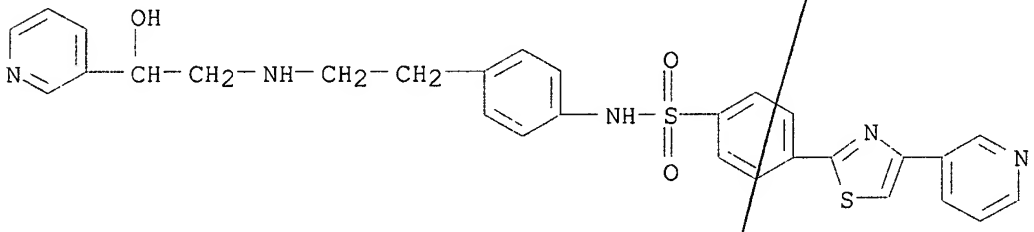
PAGE 1-A



PAGE 1-B

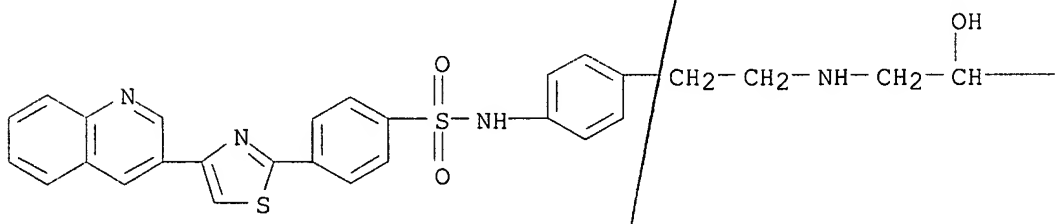


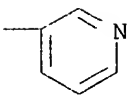
RN 211032-23-4 USPATFULL
CN Benzenesulfonamide, N-[4-[2-[[2-hydroxy-2-(3-pyridinyl)ethyl]amino]ethyl]phenyl]-4-[4-(3-pyridinyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 211032-49-4 USPATFULL
CN Benzenesulfonamide, N-[4-[2-[[2-hydroxy-2-(3-pyridinyl)ethyl]amino]ethyl]phenyl]-4-[4-(3-quinolinyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

PAGE 1-A





L31 ANSWER 7 OF 7 USPATFULL on STN

| | | | | |
|---|---|---|---|---|
| ACCESSION NUMBER: | 94:24330 USPATFULL | | | |
| TITLE: | Thiazolylbenzofuran derivatives and pharmaceutical composition comprising the same | | | |
| INVENTOR(S): | Matsuo, Masaaki, Toyonaka, Japan<br>Okumura, Kazuo, Osaka, Japan<br>Shigenaga, Shinji, Kobe, Japan<br>Matsuda, Hiroshi, Osaka, Japan | | | |
| PATENT ASSIGNEE(S): | Fujisawa Pharmaceutical Co., Ltd., Osaka, Japan (non-U.S. corporation) | | | |
| | NUMBER | KIND | DATE | |
| PATENT INFORMATION: | US 5296495 | | 19940322 | <-- |
| APPLICATION INFO.: | US 1992-929751 | | 19920812 | (7) |
| | NUMBER | | DATE | |
| PRIORITY INFORMATION: | GB 1991-17733 | | 19910816 | <-- |
| | GB 1992-1057 | | 19920117 | <-- |
| DOCUMENT TYPE: | Utility | | | |
| FILE SEGMENT: | Granted | | | |
| PRIMARY EXAMINER: | Lee, Mary C. | | | |
| ASSISTANT EXAMINER: | Haley, Jacqueline | | | |
| LEGAL REPRESENTATIVE: | Oblon, Spivak, McClelland, Maier & Neustadt | | | |
| NUMBER OF CLAIMS: | 8 | | | |
| EXEMPLARY CLAIM: | 1 | | | |
| LINE COUNT: | 2802 | | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

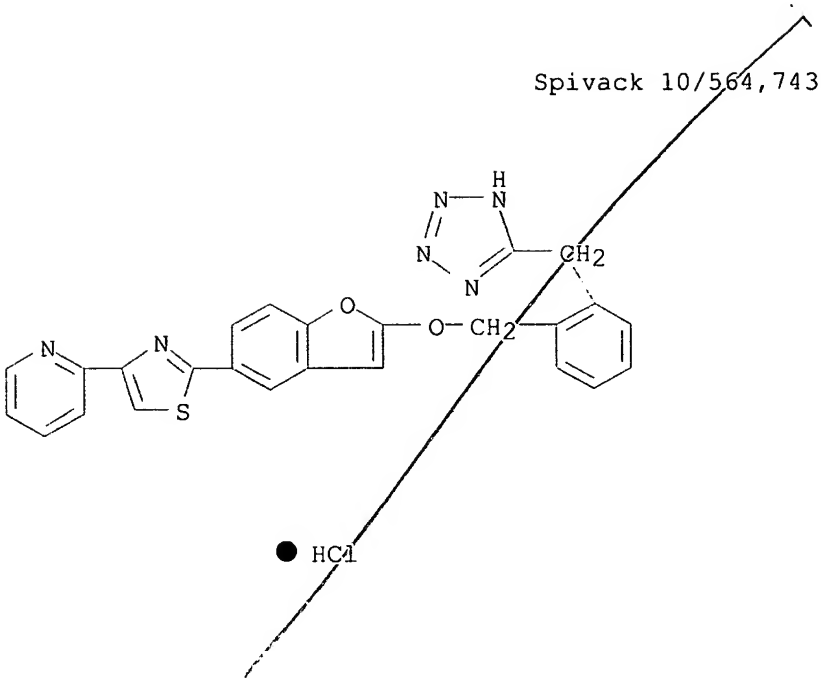
AB Compounds of the formula: ##STR1## wherein R.sup.1, R.sup.2, R.sup.3, R.sup.4, A, X and Y are as defined and pharmaceutically acceptable salts thereof; which have activities as leukotriene and Slow Reacting Substance of Anaphalaxis (SRS-a) antagonists or inhibitors, to processes for preparation thereof, to a pharmaceutical composition comprising the same, and to methods of using the same therapeutically in the prevention and/or treatment of allergy or inflamation in human beings or animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 149413-78-5P
(preparation of, as drug)

RN 149413-78-5 USPATFULL

CN Pyridine, 2-[2-[2-[[2-(1H-tetrazol-5-ylmethyl)phenyl]methoxy]-5-benzofuranyl]-4-thiazolyl]-, monohydrochloride (9CI) (CA INDEX NAME)


H
N
N
N
N
CH2
O
O
CH2
N
N
S
HCl